Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/15/2020 09:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126382	1	1.94	126455	1.90
Blue	F	SSC	125000	125033	0	1.75	125802	1.77
Blue	E	FITC	16433	16324	-1	2.76	355	19.77
Blue	D	PE	27595	27535	-1	1.94	599	14.28
Blue	B	PerCP-Cy5-5	43183	43780	1	3.66	1175	19.98
Blue	A	PE-Cy7	31943	32329	1	6.15	618	41.14
Red	C	APC	42819	42521	-1	2.49	1503	12.10
Red	A	APC-Cy7	31261	30520	-3	2.42	807	11.81
Violet	B	V450	6527	6393	-3	4.48	358	13.32
Violet	A	V500	24533	23882	-3	4.25	557	10.49

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18001	9.93	619	19	N/A	N/A	Pass
Blue	F	SSC	56885	1.28	558	10	N/A	N/A	Pass
Blue	E	FITC	65	60.65	544	5	0.0199	68	Pass
Blue	D	PE	125	48.84	541	7	0.1821	301	Pass
Blue	B	PerCP-Cy5-5	217	48.41	655	13	0.0094	45	Pass
Blue	A	PE-Cy7	115	98.84	702	13	0.0105	7	Pass
Red	C	APC	358	25.12	582	-1	0.0245	140	Pass
Red	A	APC-Cy7	177	28.86	561	-2	0.0058	1150	Pass
Violet	B	V450	55	58.74	447	-8	0.0474	1795	Pass
Violet	A	V500	84	32.95	458	-9	0.0232	718	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.26	-31.87	1.04
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	16.00	13.60 - 20.40	N/A	N/A	29.50	29.86	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9572

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments